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**PRODUCTION OF 3-HYDROXYPROPIONIC ACID USING BETA-  
ALANINE/PYRUVATE AMINOTRANSFERASE  
ABSTRACT OF THE DISCLOSURE**

5 Methods of using beta-alanine/pyruvate aminotransferase to produce 3-hydroxypropionic acid and derivatives thereof, from beta-alanine, are disclosed. Cells and recombinant nucleic acids that can be used to practice the methods are also disclosed.